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Docket No.: 1293.1925

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Jae-seong Shim et al.

Serial No. 10/667,670

Group Art Unit: 2819

Confirmation No. 9099

Filed: September 23, 2003

Examiner: Patrick G. Wamsley

For: DATA MODULATING METHOD AND APPARATUS, DATA DEMODULATING METHOD AND APPARATUS, AND CODE ARRANGING METHOD

LETTER TO THE EXAMINER REQUESTING ENTRY OF CHANGE IN POWER OF ATTORNEY AND CORRESPONDENCE ADDRESS

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the enclosed Power of Attorney, it is respectfully submitted that the attorneys of Stein, McEwen, & Bui, LLP, customer number 49,455, are associated with the instant application and all prior powers of attorney have been revoked.

Please direct all correspondence to the address associated with customer number 49,455, which is presently as follows:

Stein, McEwen, & Bui, LLP
1400 Eye St., NW
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Washington, D.C. 20005

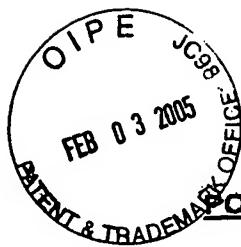
Respectfully submitted,

STEIN, MCEWEN & BUI, LLP

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Date: FEB. 3, 2005



POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST
AND REVOCATION OF PRIOR POWERS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The undersigned corporation is the assignee of record of the entire right, title, and interest of the patent applications and patents identified listed in the enclosed Attachment A:

REVOCATION OF PRIOR POWERS OF ATTORNEY

revokes all powers of attorney previously given, and

NEW POWER OF ATTORNEY

appoints the attorneys and/or agents of Stein, McEwen & Bui, LLP under Customer No. 49,455 to prosecute and transact all business in the United States Patent and Trademark Office connected therewith.

CORRESPONDENCE CHANGE OF ADDRESS

All correspondence and telephone communications should be directed to the address associated with Customer Number 49,455, which is currently:

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STATEMENT AND CERTIFICATION UNDER 37 CFR §3.73(B)

Samsung Electronics Co., Ltd., a Korean corporation certifies that it is the assignee of the entire right, title and interest in the patent applications and patents identified in the enclosed Attachment A, by way of assignments, and those assignments were recorded in the USPTO with available data identified in the Attachment A.

The undersigned is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

If there are any fees associated with the filing of this Statement and Certification, please charge and/or credit the same to Deposit Account No. 503333.

SAMSUNG ELECTRONICS CO., LTD.
416, Maetan-Dong, Yeongtong-gu,
Suwon-si, Gyeonggi-do
Republic of Korea

By: Yong Tae Lee
Name: Yong Tae Lee
Title: Vice President

Dated Jan 19, 2005

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd



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1293 . 1007	08/779,521	1/7/1997	8384 / 0944	
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ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

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ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

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ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

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1293 . 1267	10/128,530	4/24/2002	013124/0586	
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1293 . 1267C3	10/998,010	11/29/2004	013124/0586	
1293 . 1270	09/982,088	10/19/2001	012474 / 0303	
1293 . 1271	09/986,978	11/13/2001	012497/0979	
1293 . 1272	09/986,982	11/13/2001	012497/0914	
1293 . 1274	10/188,311	7/3/2002	013346/0206	
1293 . 1277	09/987,896	11/16/2001	012313/0497	
1293 . 1278	10/256,244	9/27/2002	013598/0393	
1293 . 1278C1	10/806,106	3/23/2004	013598/0393	
1293 . 1278C2	10/806,107	3/23/2004	013598/0393	
1293 . 1278C3	10/806,320	3/23/2004	013598/0393	
1293 . 1278C4	10/806,318	3/23/2004	013598/0393	
1293 . 1278C5	10/806,319	3/23/2004	013598/0393	
1293 . 1278C6	10/806,215	3/23/2004	013598/0393	
1293 . 1279	10/007,655	12/10/2001	012549/0525	
1293 . 1279C	10/790,702	3/3/2004	012549/0525	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

1293 . 1279C2	10/790,861	3/3/2004	012549/0525	
1293 . 1280	10/003,109	12/6/2001	012354 / 0709	
1293 . 1281	09/994,785	11/28/2001	012410/0813	
1293 . 1282	09/981,288	10/18/2001	012474/0272	
1293 . 1282C	10/986,133	11/12/2004	012474/0272	
1293 . 1283	09/978,771	10/18/2001	012472/0228	
1293 . 1287	09/996,764	11/30/2001	012338/0280	
1293 . 1288	09/995,778	11/28/2001	012390/0723	
1293 . 1292	10/026,658	12/27/2001	012620/0403	
1293 . 1294	10/012,475	12/12/2001	012378/0432	
1293 . 1300	10/029,910	12/31/2001	012420 / 0688	
1293 . 1304	10/077,959	2/20/2002	012604/0868	
1293 . 1305	10/046,556	1/16/2002	012761/0527	
1293 . 1306	10/056,071	1/28/2002	012537/0520	
1293 . 1307	10/073,053	2/12/2002	012851/0843	
1293 . 1309	10/051,301	1/22/2002	012829/0396	
1293 . 1311	10/078,459	2/21/2002	012612/0101	
1293 . 1314	10/028,979	12/28/2001	012673/0410	
1293 . 1320	10/099,948	3/19/2002	012710 / 0876	
1293 . 1323	10/098,071	3/15/2002	012702/0913	
1293 . 1324	10/100,226	3/19/2002	012977/0551	
1293 . 1334	10/133,903	4/29/2002	012847/0549	
1293 . 1338	10/086,440	3/4/2002	012876/0690	
1293 . 1340	10/374,715	2/27/2003	014110 / 0001	
1293 . 1342	10/092,354	3/7/2002	012819/0789	
1293 . 1343	10/160,433	6/4/2002	013263/0674	
1293 . 1347	10/103,892	3/25/2002	13010/0708	
1293 . 1353	10/125,582	4/19/2002	013055/0145	
1293 . 1360	10/414,499	4/18/2003	014498 / 0763	
1293 . 1360C	10/937,501	9/10/2004	014498/0763	
1293 . 1361	10/125,564	4/19/2002	013190/0503	
1293 . 1361C1	10/787,141	2/27/2004	013190/0503	
1293 . 1361C2	10/787,156	2/27/2004	013190/0503	
1293 . 1363	10/372,675	2/25/2003	014234/0913	014234 / 0913
1293 . 1363C	10/860,570	6/4/2004	014234/0913	014234 / 0913
1293 . 1370	10/141,774	5/10/2002	013181 / 0037	
1293 . 1371	10/232,724	9/3/2002	013260/0374	
1293 . 1372C	10/886,555	7/9/2004	013157/0057	
1293 . 1391	10/157,014	5/30/2002	013217/0067	
1293 . 1398	10/453,928	6/4/2003	014545/0036	
1293 . 1399	10/165,427	6/10/2002	013313/0885	013313 / 0885
1293 . 1402	10/172,500	6/17/2002	013318/0644	
1293 . 1404	10/170,419	6/14/2002	013300/0143	
1293 . 1407	10/176,975	6/24/2002	013401/0111	013401 / 0111
1293 . 1408	10/175,151	6/20/2002	013344/0595	
1293 . 1409	10/175,911	6/21/2002		
1293 . 1411	10/183,969	6/28/2002	013345/0391	
1293 . 1412	10/320,737	12/17/2002	014038/0725	
1293 . 1412C	10/992,700	11/22/2004	014038/0725	
1293 . 1414	10/196,139	7/17/2002	013113/0131	
1293 . 1421	10/189,786	7/8/2002	013346/0213	
1293 . 1422	10/189,180	7/5/2002	013346/0217	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

1293 . 1426	10/245,386	9/18/2002	013306/0018	
1293 . 1437	10/224,570	8/21/2002	013502/0645	
1293 . 1438	10/218,040	8/14/2002	013350/0866	
1293 . 1443	10/217,330	8/13/2002	013568/0194	
1293 . 1451	10/247,794	9/20/2002	013585/0217	
1293 . 1459	10/630,774	7/31/2003	014352/0949	
1293 . 1466	10/233,569	9/4/2002	013564/0841	
1293 . 1467	10/288,459	11/6/2002	013469/0555	013469 / 0555
1293 . 1468	10/263,817	10/4/2002	013365/0539	
1293 . 1470	10/238,879	9/11/2002	013792 / 0905	
1293 . 1476	10/307,502	12/2/2002	013787/0321	
1293 . 1477	10/272,283	10/17/2002	013633/0350	
1293 . 1480	10/310,996	12/6/2002	013863 / 0828	
1293 . 1481	10/289,214	11/7/2002	013785/0164	
1293 . 1482	10/273,386	10/18/2002	013866/0495	
1293 . 1484	10/255,090	9/26/2002	013451/0890	
1293 . 1485	10/320,739	12/17/2002	013846/0935	
1293 . 1486	10/268,076	10/10/2002	013502/0853	
1293 . 1487	10/278,017	10/23/2002	013658/0841	
1293 . 1488	10/284,415	10/31/2002	013672/0986	
1293 . 1489	10/277,094	10/22/2002	013633/0724	
1293 . 1492	10/302,995	11/25/2002	013524/0555	014091 / 0728
1293 . 1493	10/256,286	9/27/2002	013458/0962	
1293 . 1494	10/280,127	10/25/2002	013685/0010	
1293 . 1497	10/307,500	12/2/2002	013808/0776	
1293 . 1498	10/401,583	3/31/2003	014352/0321	
1293 . 1500	10/269,088	10/11/2002	013654 / 0813	
1293 . 1506	10/289,302	11/7/2002	013468/0052	
1293 . 1507	10/285,522	11/1/2002	013451/0079	
1293 . 1508	10/285,678	11/1/2002	013690/0583	
1293 . 1510	10/265,083	9/26/2002	013590 / 0607	
1293 . 1516	10/314,416	12/9/2002	013840/0627	
1293 . 1518	10/295,044	11/15/2002	013710/0595	
1293 . 1524	10/317,212	12/12/2002	013930/0617	
1293 . 1524D	10/951,616	9/29/2004	013930/0617	
1293 . 1533	10/350,331	1/24/2003	014042/0605	
1293 . 1535	10/348,006	1/22/2003	013686/0726	
1293 . 1552	10/335,859	1/3/2003	013640/0435	
1293 . 1559	10/278,092	10/23/2002	013687/0657	
1293 . 1561	10/278,094	10/23/2002	013647/0744	
1293 . 1569	10/337,351	1/7/2003	013641/0568	
1293 . 1584	10/425,876	4/30/2003	014023/0856	
1293 . 1587	10/350,179	1/24/2003	013702/0932	
1293 . 1589	10/331,934	12/31/2002	013635/0064	
1293 . 1592	10/313,005	12/6/2002	013808/0781	
1293 . 1633	10/600,330	6/23/2003	014224/0581	016985 / 0764
1293 . 1644	10/339,412	1/10/2003	013658/0889	
1293 . 1645	10/347,524	1/21/2003	013930/0726	
1293 . 1651	10/384,064	3/10/2003	014136/0490	
1293 . 1652	10/359,632	2/7/2003	013750/0331	
1293 . 1654	10/410,593	4/10/2003	014352/0327	015166 / 0764
1293 . 1658	10/385,464	3/12/2003	013871/0023	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

1293 . 1660	10/392,398	3/20/2003	014267 / 0252	
1293 . 1666	10/429,954	5/6/2003	014371/0803	01567 / 0897
1293 . 1672	10/412,350	4/16/2003	013987/0038	
1293 . 1683	10/434,485	5/9/2003	014368/0744	
1293 . 1689	10/418,140	4/18/2003	013987/0314	
1293 . 1690	10/401,779	3/31/2003	013921 / 0774	
1293 . 1691	10/384,063	3/10/2003	014136/0453	
1293 . 1691C	10/797,055	3/11/2004	014136/0453	
1293 . 1691C2	10/797,056	3/11/2004	014136/0453	
1293 . 1691C3	10/797,057	3/11/2004	014136/0453	
1293 . 1693	10/423,988	4/28/2003	014013/0840	
1293 . 1695	10/423,988	4/28/2003	014013/0829	
1293 . 1699	10/388,761	3/17/2003	014149/0902	
1293 . 1713	10/441,264	5/20/2003	014463/0286	
1293 . 1717	10/446,641	5/28/2003	014538/0854	
1293 . 1718	10/683,398	10/14/2003	014607/0039	
1293 . 1719	10/783,038	2/23/2004		
1293 . 1719C	10/937,502	9/10/2004		
1293 . 1720	10/683,438	10/14/2003	014597 / 0010	
1293 . 1721	10/735,819	12/16/2003	015303/0659	
1293 . 1722	10/684,509	10/15/2003	014613/0892	
1293 . 1723	10/658,799	9/10/2003	014933/0521	
1293 . 1730	10/437,444	5/14/2003	014441 / 0499	
1293 . 1732	10/439,310	5/16/2003	014472/0908	
1293 . 1736	10/414,302	4/16/2003	013982/0493	
1293 . 1739	10/418,300	4/18/2003	014251/0589	014251 / 0589
1293 . 1740	10/798,271	3/12/2004	015081 / 0870	
1293 . 1741	10/798,284	3/12/2004	015086/0204	015086 / 0204
1293 . 1742	10/630,834	7/31/2003	014829/0716	
1293 . 1750	10/438,925	5/16/2003	014064 / 0771	
1293 . 1761	10/626,716	7/25/2003	014320/0157	014320 / 0157
1293 . 1764	10/440,242	5/19/2003	014092/0892	
1293 . 1764C	10/886,554	7/9/2004	014092/0892	
1293 . 1771	10/622,741	7/21/2003	014307/0829	
1293 . 1778	10/447,201	5/29/2003	014963/0100	
1293 . 1779	10/445,197	5/27/2003	014512/0641	
1293 . 1780	10/441,087	5/20/2003	014099 / 0292	
1293 . 1784	10/638,555	8/12/2003	014855/0587	
1293 . 1788	10/454,838	6/5/2003	014585/0505	
1293 . 1794	10/443,097	5/22/2003	014109/0093	
1293 . 1795	10/444,950	5/27/2003	014114/0753	
1293 . 1807	10/446,126	5/28/2003	014123/0269	
1293 . 1817	10/614,701	7/8/2003	014751/0157	
1293 . 1825CIP	10/647,134	8/25/2003	014909/0921	
1293 . 1826	10/460,670	6/13/2003	014674/0757	
1293 . 1827	10/633,564	8/5/2003	014379/0134	014379 / 0134
1293 . 1832	10/652,859	9/2/2003	019477/0064	
1293 . 1836	10/452,942	6/3/2003	014534/0408	
1293 . 1843	10/624,556	7/23/2003	014324/0512	
1293 . 1844	10/461,426	6/16/2003	014182/0895	
1293 . 1845	10/461,329	6/16/2003	014187/0004	
1293 . 1849	10/463,852	6/18/2003	014627/0301	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

1293 . 1861	10/673,402	9/30/2003	014566/0848	
1293 . 1863	10/617,256	7/11/2003	014722/0357	
1293 . 1865	10/799,699	3/15/2004	015092/0169	
1293 . 1867	10/643,166	8/19/2003	014862/0487	
1293 . 1873	10/485,601	6/20/2003	014205 / 0351	014205 / 0351
1293 . 1889	10/637,708	8/11/2003	014856/0251	
1293 . 1890	10/630,735	7/31/2003	014362 / 0272	
1293 . 1893	10/797,050	3/11/2004	015086/0593	
1293 . 1895	10/670,779	9/26/2003	015229/0950	
1293 . 1896	10/703,076	11/7/2003	015182/0265	
1293 . 1898	10/887,754	6/16/2004	015485 / 0422	
1293 . 1900	10/812,415	7/3/2003	014722 / 0446	
1293 . 1900C	10/777,900	2/13/2004	014722 / 0446	
1293 . 1900C2	10/777,758	2/13/2004	014722 / 0446	
1293 . 1900C3	10/777,668	2/13/2004	014722 / 0446	
1293 . 1912	10/827,973	7/28/2003	014818/0299	014B18 / 0299
1293 . 1925	10/867,570	9/23/2003	014531/0134	
1293 . 1925C	10/838,204	5/5/2004	014531/0134	
1293 . 1926	10/624,634	7/23/2003	014320/0608	014320 / 0608
1293 . 1927	10/684,837	10/15/2003	015112/0914	
1293 . 1939	10/677,147	10/2/2003	014998/0068	
1293 . 1943	10/630,965	7/31/2003	014835/0854	
1293 . 1944	10/630,927	7/31/2003	014909/0940	
1293 . 1951	10/630,977	7/31/2003	014846/0902	
1293 . 1954	10/729,993	12/9/2003	014777/0673	
1293 . 1956	10/673,368	9/30/2003	014564/0739	
1293 . 1982	10/695,393	10/29/2003	014659/0407	
1293 . 1966	10/663,981	9/17/2003	014957/0760	
1293 . 1967	10/670,363	9/26/2003	014547/0180	
1293 . 1969	10/653,451	9/3/2003	014911/0780	
1293 . 1970	10/716,868	11/20/2003	015253 / 0747	
1293 . 1972	10/747,312	12/30/2003	014860/0800	
1293 . 1975	10/638,560	8/12/2003	014942/0941	
1293 . 1976	10/638,481	8/12/2003	014858/0899	
1293 . 1993	10/769,756	2/3/2004	014952/0785	
1293 . 1994	10/647,445	8/26/2003	015006/0246	
1293 . 1995	10/693,967	10/28/2003	8384/0945	
1316 . 1021	09/049,988	3/30/1998	9729/0709	
1316 . 1021C	09/419,792	10/18/1999	9729/0709	
1316 . 1021CC	09/930,964	8/17/2001	9729/0709	
1316 . 1021CC2	09/930,963	8/17/2001	9729/0709	
1316 . 1021CCC	10/481,430	6/16/2003	9729/0709	
1316 . 1027	09/301,607	4/29/1999	014355/0075	
1316 . 1027D	10/151,907	5/22/2002	014355/0075	
1316 . 1027D2	10/151,908	5/22/2002	014355/0075	
1316 . 1027D2C	10/843,294	5/12/2004	014355/0075	
1316 . 1036	09/304,264	5/6/1999	010127/0541	
1316 . 1036D	09/588,755	6/7/2000	010127/0541	
1316 . 1036D2	09/907,964	7/19/2001	010127/0541	
1316 . 1036D3	09/907,965	7/19/2001	010127/0541	
1316 . 1036D4	09/907,966	7/19/2001	010127/0541	
1316 . 1036D4C	10/290,278	11/8/2002	010127/0541	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

1316 . 1036D4CC	10/893,944	10/28/2003	010127/0541	
1316 . 1041	09/513,687	2/25/2000	010599/0616	
1316 . 1044	09/516,507	3/1/2000	9091 / 0399	
1316 . 1044C	10/458,321	6/11/2003	9091 / 0399	
1317 . 1004	08/835,744	4/10/1997	8926 / 0291	
1317 . 1004RE	09/791,842	2/26/2001	8926 / 0291	
1317 . 1014	08/921,082	8/29/1997	9161/0711	
1317 . 1014CIP	09/047,363	3/25/1998	9364/0898	
1317 . 1014CIPCIPUS	09/618,731	7/18/2000	9364 / 0898	
1317 . 1014CIPD	09/528,285	3/15/2000	9364/0898	
1317 . 1014CIPD2	09/526,275	3/15/2000	9364/0898	
1317 . 1014CIPD3	09/808,558	7/20/2001	9364/0898	
1317 . 1014CIPD4	09/808,622	7/20/2001	9364/0898	
1317 . 1014CIPD5	09/808,620	7/20/2001	9364/0898	
1317 . 1014CIPD6	10/143,011	5/13/2002	9364/0898	
1317 . 1014CIPDD1U	10/780,647	2/19/2004	9364/0898	
1317 . 1014CPCPD	09/908,687	7/20/2001	010962/0435	
1317 . 1014CPCPD2U	09/908,550	7/20/2001	012328 / 0509	
1317 . 1020	09/000,928	12/30/1997	8951 / 0777	
1317 . 1020C	10/865,483	8/10/2004	8951 / 0777	
1317 . 1029	09/030,941	2/26/1998	9013/0789	
1317 . 1031	09/055,711	4/7/1998	9099/0158	
1317 . 1031D1	09/556,978	4/24/2000	9099/0158	
1317 . 1031D2	09/558,379	4/24/2000	9099/0158	
1317 . 1048	09/118,922	7/20/1998	9460/0132	
1317 . 1052	09/223,762	12/31/1998	9696/0230	
1317 . 1052D	10/448,037	5/30/2003	9696/0230	
1317 . 1052DC	10/849,203	5/20/2004	9696/0230	
1349 . 1015	09/313,787	5/17/1999	010202/0978	
1349 . 1015D	09/949,870	9/12/2001	010202/0978	
1349 . 1015D2	09/964,632	9/28/2001	010202/0978	
1349 . 1015DC	10/677,220	10/3/2003	010202/0978	
1349 . 1015DC2	10/678,257	10/6/2003	010202/0978	
1349 . 1016	09/442,095	11/17/1999	010409/0745	
1349 . 1021	09/455,152	12/6/1999	010441/0087	
1349 . 1022	09/426,644	10/25/1999	010519/0043	
1349 . 1028	09/955,061	9/19/2001	012179/0475	
1349 . 1029	09/978,923	10/18/2001	012270/0703	
1349 . 1030	09/984,431	10/30/2001	012294 / 0269	
1349 . 1031	09/982,313	9/26/2001	012205/0126	
1349 . 1033	09/985,249	11/2/2001	012299/0165	
1349 . 1034	09/977,988	10/17/2001	012265/0188	
1793 . 1002	10/654,617	9/4/2003	014916/0232	
1793 . 1004	10/647,440	8/26/2003	015007/0152	015039 / 0428
1793 . 1011	10/685,396	10/16/2003	014611/0551	
1793 . 1011CIP	10/770,128	2/3/2004	015522 / 0757	
1793 . 1014	10/682,837	10/10/2003	015086/0171	
1793 . 1015	10/727,980	12/5/2003	015294/0456/045	
1793 . 1016	10/657,712	9/9/2003	014971/0996	
1793 . 1017	10/680,419	10/8/2003	015300/0222	
1793 . 1035	10/671,865	9/29/2003	014954/D918	
1793 . 1046	10/685,702	10/16/2003	015182/0401	

ATTACHMENT A
Assignments to Samsung Electronics Co., Ltd

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1793 . 1072	10/685,695	10/16/2003	015121/0268	015121 / 0266
1793 . 1073	10/685,699	10/16/2003	015120/0331	015120 / 0331
1793 . 1074	10/685,694	10/16/2003	015121/0217	
1793 . 1075	10/686,537	10/16/2003	015121/0326	
1793 . 1076	10/685,697	10/16/2003	015180/0621	
1793 . 1077	10/686,521	10/16/2003	015121/0347	
1793 . 1078	10/717,919	11/21/2003	015294/0426	
1793 . 1080	10/685,701	10/16/2003	015182 / 0587	
1793 . 1081	10/685,708	10/16/2003	015182/0858	
1793 . 1082	10/712,304	11/14/2003	015253/0762	
1793 . 1100	10/721,782	11/26/2003	015325 / 0559	
1793 . 1104	10/778,169	2/17/2004	015194/0269	
1793 . 1113	10/728,097	12/5/2003	015269/0035	
1793 . 1118	10/717,922	11/21/2003	015285/0360	
1793 . 1119	10/751,731	1/6/2004	015436/0176	
1793 . 1132	10/760,307	1/21/2004	014907/0536	
1793 . 1135	10/765,183	1/28/2004	014941/0780	
1793 . 1146	10/735,823	12/16/2003	015362/0982	
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1793 . 1154	10/751,729	1/6/2004	015446/0581	
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